

Amendment to the Claims:

The listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1-26. Previously Cancelled without disclaimer or prejudice.

27. (Currently Amended) A method for maintaining the accuracy of a clock which keeps clock time, comprising the steps of:

setting the actual clock time on a first occasion;

setting the actual clock time on a second occasion; and

adjusting a time-keeping operation of the clock on a basis of time which elapsed between the first and second occasions, and a difference in the actual clock time just prior to the second occasion and the actual clock time as set on the second occasion.

28. (Previously Presented) A method as in claim 27, wherein the clock comprises an oscillator and processing means for processing a signal from the oscillator on a basis of a timing parameter to produce an indication of the clock time.

29. (Currently Amended) A method as in claim 27, wherein: the clock comprises an oscillator having an oscillating frequency and the time-keeping

operation of the clock is adjusted by re-tuning a the oscillating frequency of ~~an~~ the oscillator.

30. (Previously Presented) A method as in claim 29 wherein:
the clock forms part of a radio device including a baseband and a radio interface and the oscillator is used to provide a time base to the baseband.

31. (Previously Presented) A method as in claim 28, wherein a timing parameter of the processing means is adjusted.

32. (Previously Presented) A method as in claim 27, wherein:
the setting of the clock time is performed by a user.

33. (Previously Presented) A method as in claim 27, wherein the clock forms part of a radio device and the clock time is set by a remote time reference via a radio interface of the radio device.

34. (Currently Amended) A clock for use in a radio communications device which keeps clock time comprising:

time setting means for re-setting the clock on a first occasion to a first actual clock time and on a second occasion to a second actual clock time; and

adjustment means, responsive to re-setting the clock on the second occasion, to adjust a time-keeping operation of the clock on a basis of time which elapsed between the first and second occasions, and a difference in the actual clock time

just prior to the second occasion and the actual clock time as set on the second occasion.

35. (Previously Presented) A clock as in claim 34, comprising:
an oscillator and processing means for processing the signal from the oscillator on a basis of a timing parameter to produce an indication of the clock time.

36. (Currently Amended) A clock as in claims 34, ~~wherein:~~where the clock comprises an oscillator having an oscillating frequency and the adjustment means includes means for re-tuning the oscillating frequency of the oscillator.

37. (Previously Presented) A clock as in claim 35, wherein:
the adjustment means is operable to adjust the timing parameter.

38. (Previously Presented) A clock as in claim 34, comprising:
means to adjust the time keeping-operation of the clock based on predictive models of behavior of the components of the clock.

39. (Previously Presented) A portable radio communication device including a radio interface and a clock as in claim 34, comprising:
means for obtaining an accurate time reference by which the clock time is set via the radio interface.

40. (Currently Amended) A method as in claim 28, wherein[:] the clock comprises an oscillator having an oscillating frequency and the time-keeping operation of the clock is adjusted by re-tuning the oscillating frequency of the oscillator.

41. (Previously Presented) A method as in claim 28, wherein:
the clock forms part of a radio device, and the clock time is set by a remote time reference via a radio interface of the radio device.

42. (Previously Presented) A method as in claim 29, wherein:
the clock forms part of a radio device and the clock time is set by a remote time reference via the radio interface of the radio device.

43. (Previously Presented) A method as in claim 30, wherein:
the clock time is set by a remote time reference via the radio interface of the radio device.

44. (Previously Presented) A method as in claim 32, wherein:
the clock forms part of a radio device and the clock time is set by a remote time reference via a radio interface of the radio device.

45. (Currently Amended) A clock as in claim 35, wherein: where the clock

comprises an oscillator having an oscillating frequency and the adjustment means
Includes means for re-tuning the oscillating frequency of the oscillator.

46. (Currently Amended) A clock as in claim 36, wherein:the adjustment
means is operable to adjust a timing parameter.

47. (Currently Amended) A clock as in claim 35, comprising:
means to adjust the time keeping-operation of the clock based on predictive
models of the behavior of components of the clock.

48. (Currently Amended) A clock as in claim 36, comprising:
means to adjust the time keeping-operation of the clock based on predictive
models of the behavior of the components of the clock.

49. (Currently Amended) A clock as in claim 37, comprising:
means to adjust the time keeping-operation of the clock based on predictive
models of the behavior of the components of the clock.

50. (Previously Presented) A portable radio communication device
comprising:
a radio interface, a clock as in claim 35 and means for obtaining an accurate
time reference by which the clock time is set via a radio interface.

51. (Previously Presented) A portable radio communication device comprising:

a radio interface, a clock as in claim 36 and means for obtaining an accurate time reference by which the clock time is set via a radio interface.

52. (Previously Presented) A portable radio communication device comprising:

a radio interface, a clock as in claim 37 and means for obtaining an accurate time reference by which the clock time is set via a radio interface.

53. (Previously Presented) A portable radio communication device comprising:

a radio interface, a clock as in claim 38 and means for obtaining an accurate time reference by which the clock time is set via a radio interface.

54. (Currently Amended) A method for maintaining accuracy of a clock which keeps clock time, comprising the steps of:

setting the actual clock time on a first occasion;

storing the actual clock time as set on the first occasion;

setting the actual clock time on a second occasion; and

adjusting a time-keeping operation of the clock on a basis of a difference between a stored actual clock time as set on the first occasion and the actual clock time just prior to the second occasion, and a difference between the actual clock time just prior to the second occasion and that actual clock time as set on the second occasion.

55. (Currently Amended) A method for maintaining accuracy of a clock which keeps clock time, comprising the steps of:

setting the actual clock time on a first occasion;
setting the actual clock time on a second occasion; and
detecting whether adjustment of a time-keeping operation of the clock would be erroneous and if not erroneous following the setting of the actual clock time on the second occasion, adjusting the time-keeping operation of the clock on a basis of the time which elapsed between the first and second occasions, and a difference in the actual clock time just prior to the second occasion and the actual clock time as set on the second occasion.

56. (Currently Amended) A clock suitable for use in a radio communication device comprising:

time setting means for re-setting the clock;
adjustment means for adjusting a time-keeping operation of the clock in response to re-setting the actual clock time of the clock; and

detection means for detecting whether adjustment of the time-keeping operation of the clock would be erroneous following the setting of the actual clock time on the second occasion and if not erroneous, preventing allowing adjustment of the time-keeping operation of the clock.

57. (Currently Amended) A radio communications device which keeps clock time comprising:

a baseband;

a radio;

a clock including a tunable oscillator for providing a time base to the baseband;

time setting means for re-setting the actual clock time of the clock on a first occasion to a first actual clock time and on a second occasion to a second actual clock time; and

adjustment means, responsive to re-setting the actual clock time of the clock on the second occasion, to adjust a time-keeping operation of the clock by re-tuning the oscillator on a basis of time which elapsed between the first and second occasions, and a difference in the actual clock time just prior to the second occasion and the actual clock time as set on the second occasion.

58. (Currently Amended) A radio communications device which keeps clock time comprising:

a baseband;

a radio for receiving a remote time reference;

a clock including a tunable oscillator for providing a time base to the baseband;

time setting means for re-setting the clock, in response to a first time reference received on a first occasion, to a first actual clock time and. In response to a second time reference received on a second occasion, to a second actual clock time; and

adjustment means comprising an oscillator having an oscillating frequency, the adjustment means being responsive to re-setting the actual clock time of the clock on the second occasion, to adjust the time-keeping operation of the clock by re-tuning the oscillating frequency of the oscillator on a basis of time which elapsed between the first and second occasions, and a difference in the actual clock time just prior to a second occasion and the actual clock time as set on a second occasion.

59. (Currently Amended) A clock for use in a radio communications device which keeps clock time comprising:

time setting means for re-setting the clock on a first occasion to a first actual clock time value and on a second occasion to a second actual clock time value; and

adjustment means, responsive to re-setting the clock on the second occasion, to adjust a time-keeping operation of the clock on a basis of time which elapsed between the first and second occasions, and a difference in the actual clock time just prior to the second occasion and the actual clock time as set on a second occasion; and wherein

the adjustment means adjusts the time-keeping operation of the clock based
on predictive models of behavior of components of the clock.